

PODBORNOVA, N. I.

M. I. ARKHIPOV, ZhPKh, 23, 685-91(1950)

PODBORNOVA, N. I.

M. I. ARKHIPOV, ZhPKh, 1950, 23, 650-656

BATSAN V, S.S.; DORONINA, L.M.; PODBEREZSKAYA, N.V.

Chromium chalcogenosulfide. Dokl. AN SSSR 154 no. 3:624-626 Ja '64.
(MIRA 17:5)

1. Institut neorganicheskoy khimii Sibirskogo otdeleniya AN
SSSR. Predstavleno akademikom I.I.Chernyayevym.

PODBORSKII, GABRUZOV, ANUCHKIN.

"Earth Plow with a Loading Capacity of 1,000-2,000 cu. M Per Hour, Tr.
from the Russian." p. 362,
(MECHANISACE, Vol. 2, No. 9, Sept. 1953, Praha, Czechoslovakia)

SD: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

PODBORSKIY, L., inzh.

Continuous-operation excavating machinery. Na stroi. Ros. no.8:
26-27 Ag '61. (MIRA 14:9)

(Excavating machinery)

PODBORSKIY, L.Ye., inzh.

Designing the drive for concrete piston pumps. Stroil. i dor. mashinostr.
3 no.9:4-9 S '58. (MIRA 11:10)

(Pumping machinery) (Concrete construction)

IL'GISONIS, V.K., kand.tekhn.nauk; PODBORSKIY, L.Ye.; kand.tekhn.nauk;
USPENSKIY, V.P., kand.tekhn.nauk

Wheel excavators for construction and working strip mines. Mekh.
stroil. 19 no.11:14-16 N '62. (MIRA 15:11)
(Excavating machinery)

GARBUZOV, Z.Ye., kand.tekhn.nauk; POGBORSKIY, L.Ye., kand.tekhn.nauk

Continuous-action machines are in the future of earthmoving
technology. Stroi.i dor.mash. 6 no.11:5-8 N '61. (MIRA 15:4)
(Earthmoving machinery)

GARBUZOV, Z.Ye.; IL'GISONIS, V.K.; MUTUSHEV, G.A.; NARET, G.B.;
FODBORSKIY, L.Ye., kand. tekhn. nauk; USPENSKIY, V.P.;
FEDOROV, A.P., inzh., retsenzent

[Continuous action earth-digging machines; designs and
calculations] Zemleroi nye mashiny nepreryvnogo deistviia;
konstruktsii i raschety. [By] Z.E.Carbuzov i dr. Moskva,
Mashinostroenie, 1965. 274 p. (MIRA 18:7)

(A)

ACC NR: AM5027781

Monograph

UR7

Garbuzov, Z. YE.; Il'gisonis, V. K.; Mutushev, G. A.; Naret, G. B.; Podborskiy, L. YE.
Uspenskiy, V. P.

Continuous excavating machines; design and construction (Zemleroynyye mashiny nepre-
ryvnogo deystviya; konstruktsii i raschety) Moscow, Izd-vo "Mashinostroyeniye,"
1965. 275 p. illus., biblio., tables. 3700 copies printed.

PURPOSE AND COVERAGE: The book describes the basic type of continuously operating
excavating machines, such as chain and rotor trench excavators, chain bucket
transverse excavators, open-cut excavators, elevating graders, as well as excavating
machines used in irrigation and reclamation construction. The discussion of design
includes determination of the basic parameters of machines, power values of drive
mechanisms, general statistical and dynamic calculations, and load conditions of
units and assemblies. The book is intended for engineering and technical personnel
of design offices and machine building plants. It may also be useful for students
of civil engineering and machine building. There are 54 references, of which 52
are Soviet.

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excavating machines -- 5

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UDC: 621.879.4.002.2

ACC NR: AM5027781

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SUB CODE: 13 / SUBM DATE: 15Apr65/ ORIG REF: 052/ OTH REF: 002

Card 2/2

PODBORSKIY, Leonid Yermolayevich; LEVCHENKO, Ya.V., inzh., red.; FREGER, D.P.,
red. 1zd-va; BELOGUROVA, I.A., tekhn. red.

[Pneumatic transportation of concrete mix by pipes] Pnevмотransпорт
бетонной смеси по трубам. Ленинград, 1961. 22 p. (Ленинградский Дом
научно-технической пропаганды. Серия: Строительная промышлен-
ность, no.6) (MIRA 14:7)
(Concrete—Transportation) (Pneumatic-tube transportation)

ZUBANOV, Mikhail Prokof'yevich; dotsent, kand.tekhn.nauk; KLEMENT'YEV,
V.G., inzh., retsentsent; POGBORSKIY, L.Ye.; inzh., red.; DUBUSOVA,
G.A., red.isd-va; SOKOLOVA, L.V.; tekhn.red.

[Vibrators for compacting concrete mixes and soils] Vibratsionnye
mashiny dlia uplotneniia betonnykh smesei i grunta. Moskva, Gos.
nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1959. 218 p.

(Vibrators)

(Concrete)

(Soil stabilization)

(MIRA 12:3)

14(10)

SOV/112-59-2-2726

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 2, p 63 (USSR)

AUTHOR: Podborskiy, L. Ye.

TITLE: Dynamics of the Piston-Type Concrete Pump Drive
(Dinamika privoda porshnevogo betononasosa)

PERIODICAL: V sb.: Dokl. 16-y Nauchn. konferentsii prof.-prepodavat. sostava
Leningr. inzh.-stroit. in-ta. L., 1958, pp 477-480

ABSTRACT: Bibliographic entry.

Card 1/1

POIBORSKIY, L.Ye., inzh.; SAMOYLOV, O.P., inzh.

Increasing the precision of water dosage in concrete mixers
with 100, 250, and 425 l. capacity. Stroil. i dor.mashinostr.
4 no.6:14-15 Je '59. (MIRA 12:8)
(Concrete mixers)

PODBORSKIY, L.Ye., inzh.; SAMOYLOV, O.P., inzh.

Investigating the performance of an automatic concrete
placer. Stroitel. mashinostr. 4 no.8:27-29 Ag '59.
(Pavements, Concrete) (Road machinery) (MIRA 12:12)

PODBORSKIY, Leonid Yermolayevich, inzh.; SMIRNOV, N.A., prof., red.;
FOMICHEV, A.G., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Mechanization of the unloading and transportation of cement]
Mekhanizatsiia razgruzki i transportirovaniia tsementa. Pod
obshchei red. N.A.Smirnova. Leningrad, Leningr. dom nauchno-
tekhn. propagandy, 1961. 36 p. (Bibliotekhka stroitel'ia po
mekhanizatsii i avtomatizatsii stroitel'stva, no.7)

(MIRA 15:8)

(Cement--Transportation) (Loading and unloading)

PODBORSKIY, L.Ye.; GARBUZOV, Z.Ye.; ANAN'YEV, A.A., ~~kand.~~ tekhn.
nauk, dots., retsenzent [deceased]; DOBROVSKIY, N.G.,
doktor tekhn. nauk, red.

[Continuous excavators; bucket construction excavators.
Atlas of designs] Ekskavatory nepreryvnogo deistviia;
mnogokovshovye stroitel'nye ekskavatory. Atlas konstruk-
tsii. Moskva, Mashinostroenie, 1964. 148 p.
(MIRA 17:5)

FODBORSKIY, L. Ye. Cand Tech Sci -- "Study of ~~the~~ resistances in a ^{piston-driven} concrete
~~piston~~ pump." Mos, 1960 (Min of Higher and Secondary Specialized Education
RSFSR. Mos Order of Labor Red Banner Construction Engineering Inst im V. V.
Kuybyshev). (KL, 1-61, 196)

-230-

PODBORSKIY, L. Ye.: Master Tech Sci (diss) -- "The dynamics of the drive of a piston concrete-pump". Leningrad, 1959. 14 pp, 150 copies (KL, No 13, 1959, 107)

PODBORSKIY, L.Ye., inzhener; SAMOYLOV, O.P., inzhener.

Increasing the performance of S-230A concrete mixers. Stroi. 1 dor.
mashinostr. 2 no.5:12-15 My '57. (MLRA 10:6)

(Mixing machinery)

PODBORSKIY, L.Ye., inzhener.

Mechanized unloading of cement at the Leningrad Reinforced
Concrete Plant No.4, Mekh. stroi. 14 no.4:9-12 Ap '57.
(Loading and unloading) (MLRA 10:6)
(Leningrad--Cement--Transportation)

PODBORSKIY, L.Ye., inzh.; SAMOYLOV, O.P., inzh.

Pneumatic-tube transportation of concrete mixes. Stroi. 1 dor.
mashinostr. 3 no.2:5-8 F '58. (MIRA 11:2)
(Pneumatic-tube transportation)
(Concrete--Transportation)

PODBORSKIY, L. Ye.
PODBORSKIY, L. Ye., inzh.; SEMENOV, G.M., inzh.

Continuous cement mixer. Gidr. stroi. 27 no.1:18-20 Ja '58.
(Mixing machinery) (MIRA 11:2)

Podborskiy, L. Ye.

AUTHORS:

Podborskiy, L.Ye. and Semenov, G.M., Engineers 98-1-4/20

TITLE:

Mixers for Continuous Preparation of Cement Mortar (Smeshiteli dlya nepreryvnogo prigotovleniya tsementnogo testa)

PERIODICAL:

Gidrotekhnicheskoye Stroitel'stvo, 1958, # 1, pp 18-20 (USSR)

ABSTRACT:

Methods as to the separate preparation of cement mixtures has been studied by various organizations during the past few years. By pre-treating cement mortar before adding fillers, the strength of cement can be increased by 25 to 30%.

The first experiments along this line were conducted in 1953-1954 by Engineer V.V. Gerokhov at the construction of the Gor'kiy Hydro-electric Power Plant. To obtain cement mortar with a smaller water-cement ratio it was necessary to construct new type mixing machines.

The Leningrad branch of VNIISTroydormash designed and manufactured two new types of mixers: the centrifugal-pin and the double worm mixer.

The centrifugal-pin mixer is cylindrical, 1,800 mm in diameter, 180 mm high, and equipped with a star-shaped rotor.

The double-worm mixer is 3.85 m long, trough-shaped, and

Card 1/2

Mixers for Continuous Preparation of Cement Mortar

98-1-4/20

equipped with two worm conveyors.

Both mixers were found suitable for the preparation of cement mortar of a water-cement ratio of 0.3 and higher. The double-worm mixer is not as sensitive to changing consistencies of mixtures, has the advantage of lower power requirements and has a higher output than the centrifugal-pin mixer. Technological data of the double-worm mixer is given in a table.

There is 1 table, 1 figure, and 2 Russian references.

AVAILABLE: Library of Congress

Card 2/2

PODBORSKIY, L.YE.

PODBORSKIY, L.Ye., inzh.; VOROB'YEV, A.A., inzh.; BARKOVSKIY, Ye.A., inzh.

Pneumatic automatic cement pumps. Stroitel'no-mashinostr. 2 no. 9:14-15
S '57. (MIRA 10:11)

(Pumping machinery) (Cement)

AUTHOR: Podborskiy L.E. (Engineer)

100-4-3/16

TITLE: Mechanisation of transportation (loading and unloading) of cement in the Leningrad factory No.4 for reinforced concrete products. (Mekhanizatsiya razgruzki tsementa na Leningradskom zavode zhelezobetonnykh izdeliy No.4)

PERIODICAL: "Mekhanizatsiya Stroitel'stva" (Mechanisation of Construction), 1957, Vol.14, No.4, pp.9-12 (USSR).

ABSTRACT: Problems of unloading of cement are solved by the two following methods in the USSR: a) by special transporting facilities which comprise automatically operated trucks and systems with pneumatic unloading onto railway trucks or lorries; b) by use of highly effective methods for unloading the free cement from the railway trucks. In factories under the management of the Ministry for Building and Roadbuilding Machinery (Ministerstvo Stroitel'nogo i Dorozhnogo Mashinostroeniya) the vacuum-systems C-347 and C-362 are used for the local transportation of cement. These methods of transportation, loading and unloading comprise the use of a cement-collecting equipment which delivers the material near the pipe into which it is sucked by vacuum and transported to high-level sedimentation bunkers. From there the cement is delivered by a continuous high-velocity screw

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100-4-3/16

Mechanisation of transportation (loading and unloading) of cement in the Leningrad factory No.4 for reinforced concrete products. (Cont.)

into a storage space. A 15-25-fold increase in the concentration of the cement-air mixture is achieved in the vacuum transportation system as compared to the pneumatic transportation method. The efficiency increases with increasing vacuum and higher concentration of the cement-air mix. Technical data are given in Table No.1. A comparison of the system C-347 and manual handling is given in Table 2. The following shortcomings were observed: 1) insufficient safety of the electrical fittings which result in failures; 2) short life of filters which are filled with wood fibres (type 411), which amounts to approximately 800 hours. Filters filled with coarse wool fabric PI are even more inferior; 3) considerable wear of the continuous screw lowers the efficiency of the system; 4) the insufficient wear strength of the fabric of the suction sleeves. These deficiencies should be remedied by the manufacturers with the assistance of the Leningrad branch of the VNIISTroydormash. The above described cement-transporting methods are suitable for unloading from railway trucks and for the delivery into the store (of the cement material). Additional transporting methods

2/3

100-4-3/16

Mechanisation of transportation (loading and unloading) of cement in the Leningrad factory No.4 for reinforced concrete products. (Cont.)

are needed for the further delivery to the silos. More efficient means of transporting are indicated in Fig.3. This is at present being tested in the Leningrad branch of the VNIISTroydormash. More efficient pneumatic suction equipment is used as well as of a continuous screw (Fig.4).

3/3

There are 4 diagrams and 2 tables.

AVAILABLE:

PODOLSKIIY, L.Ye., inzhener.

Analyzing the operation of the S-284 single-cylinder concrete
pump. Spor.tred.VNIIShtreidormash Lenfil. no.1:25-61 '57. (MLA 10:8)

(Pumping machinery) (Concrete)

PODBORSKIY, L.Ye., inzhener; SAMOYLOV, O.P., inzhener.

~~PODBORSKIY, L.Ye., inzhener; SAMOYLOV, O.P., inzhener.~~
The S-284 concrete pump. Mekh.stroi. 12 no.5:7-10 My '55,
(Pumping machinery) (HLRA 8:6)

PODBORSKIY, Leonid Yermolayevich; IL'GISONIS, Viktor Konstantinovich;
KARMISHENSKIY, A.N., kand. tekhn. nauk, retsenzent; PETRUK,
V.Ya., kand. tekhn. nauk, red.; FOMICHEV, A.G., red. izd-va;
PETERSON, M.M., tekhn. red.

[Machines for unloading and transportation of powder materials]
Mashiny dlia razgruzki i transporta poroshkoobraznykh materialov.
Moskva, Mashgiz, 1961. 192 p. (MIRA 15:8)
(Cement—Transportation) (Pneumatic conveying)

PODBORSKIY, L.Ye.; SAMOYLOV, O.P., inzhener; SEMENOV, G.M., inzhener.

Set of devices for transporting concrete mortar with the use of
concrete pumps. Gidr.stroi. 25 no.3:22-25 Ap '56. (MIRA 9:9)
(Concrete construction) (Pumping machinery)

ANUCHKIN, N. N., Eng.; GARBUZOV, Z. Ye., Eng.; PODBORSKIY, L. Ye.

Excavating Machinery

Excavating grader with a capacity between 1000-2000 cu. meters per hour. Mekh.
stroi. 10, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

PODRORNOV, V.S. kand.sel'skokhoz.nauk

Forming the foliar system of sugar beets in the non-Chernozem zone. Agrobiologiya no.3:455-458 My-Je '59. (MIRA 12:9)

1. Orenburgskiy sel'skokhoz.institut.
(Sugar beets) (Leaves)

CA

24

Use of domestic plant proteins as foaming agents for fire extinguishing. P. Bulicinski and D. Ladan (Inst. Savene, premanbene "Bilidzitie", Zenon, Yugoslavia). Bull. soc. chim. Belgrade 13, 51 (1940) (French summary). The study of properties of foams produced in solns. of pro-

teins extd. from sunflower seeds, castor-oil plant (press cake), and soybeans is described; data for the optimal functioning of "Minimax"-type fire extinguishers are given. The results of detns. of foam stability and strength and of the influence of $Al_2(SO_4)_3$ and $CuSO_4$ on these characteristics are tabulated. Mixts. of sunflower protein hydrolyzate (90%) and 95% EtOH (20%) and mixts. of soybean protein hydrolyzate (65%), 95% EtOH (20%), and 10% $CaCl_2$ soln. (15%) are suggested for use in fire extinguishers. The optimal concn. of $NaHCO_3$ soln. in "Minimax"-type fire-extinguishers is 7.5% for an av. yearly temp. of 10°. The optimal concn. of H_2SO_4 is 20% (d. 1.51-1.62). The loss of CO_2 from $NaHCO_3$ solns., due to the forming of $NaCO_3 \cdot 2NaHCO_3$, can be prevented by keeping the fire extinguishers in a cool place (at 7° no CO_2 is lost) and avoiding shock. The addn. of glycerol to the $NaHCO_3$ soln. is suggested to lower the f.p. S. E. B.

PODBRESSKIY, B.V.

Attachment for grinding machines. Mashinostroitel' no.12:23
D '63. (MIRA 17:1)

L 33989-66 T/EWP(t)/ETI IJP(c) JD/AT
 ACC NR: AP6025477 SOURCE CODE: CZ/0037/66/000/001/0011/0017
 AUTHOR: Komrska, Jiri; Podbrdsky, Josef 47
 ORG: Institute of Properties of Metals, CSAV, Brno (Ustav vlastnosti kovu CSAV);
 Institute of Instrument Technology, CSAV, Brno (Ustav pristrojove techniky CSAV) B
 TITLE: Absolute method of measurement of the c/a ratio of lattice parameters of
 two-parameter substances by electron diffraction 21 10
 SOURCE: Ceskoslovensky casopis pro fysiku, no. 1, 1966, 11-17
 TOPIC TAGS: electron diffraction, lattice parameter, polycrystal, electron diffraction
 analysis, crystal lattice
 ABSTRACT: The article describes an absolute method for the measurement of the lattice
 parameters ratio c/a of polycrystalline substances with a two-parameter lattice which
 makes it possible to measure the c/a ratio with a probable error of a single measure-
 ment of 2×10^{-4} . The described method eliminates the unfavorable consequences of
 diffraction ring deformation in the measurement of the c/a ratio. The authors thank
 Doctor M. Cernohorsky, Candidate of Sciences, for suggestions regarding the text of
 this paper and Engineer V. Drahosova, Doctor of Sciences, for making possible the
 work on the diffractograph of the Institute of Instrument Technology, CSAV. Orig.
 art. has: 2 figures, 13 formulas and 1 table. [Based on authors' Eng. abst.]
 JPRS: 35,386
 SUB CODE: 20, 07 / SUBM DATE: 02Apr65 / ORIG REF: 001 / OTH REF: 001
 Card 1/1 0916 0854

PODBREZNIK, Fran, dr inz.

Bitumen from petroleum used in the protection of technical materials. Nafta Jug 13 no. 11/12:520-526 N-D '62.

1. "Antioxid", ~~Rajona~~.

ANDELKOVIC, C.; DZOKIC, D.; PODBREZNIK, F.; ARUNOVIC, M.; CVETKOVIC, M.; SAVIC, S.; ARSENIJEVIC, M.; MIGLEVSKI, V.; GANSEL, L.; KOCEVAR, F.

Review of periodicals; textile industry. Bul sc Young 9 no.4/5:
152 Ag-0 '64.

PODBREZNIK, F.

Importance of the care and maintenance of technical materials and equipment., p. 713

TEHNIKA (Savez inženjera Jugoslavije) Beograd, Yugoslavia.
Vol. 14, no. 4, Apr 1959

Monthly List of East European Accessions EEAI LC, Vol. 8, no. 6, June 1959
Uncla.

PODBREZNIK, Fran. dr.ing., naučno tehn. savetnik. (Beograd, D.Denicica 5)

New materials for shipbuilding. Brodogradnja 12 no.6:210-213 '61.

PODBREZNIK, Fran, dr. inz.

Fire prevention in foundries and metal-processing enterprises.
Livarstvo 9 no.49/50:192-201 S-N '62.

1. "Antioksid" Enterprise, Rijeka.

PODBREZNIK, Fran, ins.

Recommendations for the maintenance of ship steel ropes under various climatic conditions. Brodogradnja 14 no.4:135-142 '63.

PODBREZNIK, Fran, dr inz.

Use of petroleum bitumen for the protection of technical materials. Nafta Jug 13 no.11/12:520-526 N-D '62.

1. "Antoiksid", Rijeka.

PODEREZNIK, Fran, dr inz.

Fire prevention in chemical, textile, and leather industries.
Tehnika Jug 17 no.11:2164-2168a N '62.

1. Tehnicki savetnik u Birou za ambalazu Zavoda za unapredenje
trgovine NR Srbije, Beograd, urednik i odgovorni urednik,
["Tehnika" - Supplement:] "Hemijska industrija".

PODERZNIK, Fran, dr inz. (Beograd, Dure Danicica 5)

Fire prevention in chemical, textile, and leather industries.
Pt. 2. Tekhnika Jug 17 no.12:2356-2359 D '62.

1. Tehnicki savetnik u Birou za ambalazu Zavoda za unapredenje
trgovine NR Srbije, Beograd, urednik i odgovorni urednik,
["Tehnika" - Supplement:] "Hemijska industrija".

PODBREZNIK, Fran, dr. inz.

Corrosion phenomena on the river and lake vessels, and their prevention. Brodogradnja 8 no.2:65-73 '57.

PODEREZNIK, Fran, dr. inz.

← Cathodic protection in shipbuilding industry. Brodogradnja 6 no.2:76-82 '55.

PODBREZNIK, Fran, dr. ing.

Use of the paint based on metallic zinc in shipbuilding. Brodogradnja
7 no.2:84-89 '56.

PODBREZNIK, Fran, dr. inz.

Corrosion characteristics, and protection of aluminum used in ship-building. Brodogradnja 7 no.5:204-208 '56.

1. Presented by Jagrovic, Olivera, inz.

PODBREZNIK, Fran, dr ing. (Beograd)

Climate and the time of duration of electrical products. Energija Hrv 10
no. 5/6:190-194 '61.

1. Tehnoklimatoloska laboratorija Zavoda za institutu materijala, Beograd.

PODBTEZNIK, FRAN

PA 70T2

YUGOSLAVIA/Chemistry - Chemical Industry Feb 1948
Chemistry - Carbon, Activated

"Activated Carbon and Its Role in Industry," Fran
Podbreznik, Dr Engr, 7 pp

"Nauka i Tehnika" No 2

Discusses very generally methods of obtaining,
treatment, uses, and characteristics of activated
carbon.

FDB

70T2

PODBREZNİK, Fran, dr. inz. (Beograd)

Maintenance of electric equipment. Elektr vest 31 no.3/5:61-64
Mr-My '64.

J. Science Consultant, Institute for the Maintenance of Materials,
Belgrade, Dura Danilica st. 5.

PODBREZNIK, F.

Technological aspects of the problem of material conservation. p. 1387 .
(Tehnika, Vol. 11, no. 9, 1956. Beograd, Yugoslavia)

SO: Monthly List of East European Accessions. (EEAL) LC, Vol. 6, No. 7.
July 1957. Uncl.

PODERZNIK, F.

Maintaining equipment in the textile industry. p. 628. TEKSTIL.
(Društvo inženjera i tehničara tekstilaca Hrvatske) Zagreb.
Vol. 5, no. 8, Aug. 1956.

SOURCE: East European Accessions List, (EEAL), Library of Congress,
Vol. 5, no. 12, December 1956

PODBREZENIK, F.

Organization of technical documentation in enterprises and institutions,
p. 420, TEHNIKA, (Savez inženjera i tehnicara Jugoslavije) Beograd, Vol.
9, No. 3, 1954

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, No. 8, Aug. 1956

PODBREZNIK, Fran, dr.ing.

Problems of the protection of materials in Yugoslavia. Alm
hem ind 128-134 '56.

PODBREZNIK, F.

Distr: hE2c

The corrosion of aluminum for building purposes and its prevention. Fran Podbreznik. *Zaštita materijala* 5, 389-94(1957).—The corrosive damages of NH_4Cl , asphalt, concrete, fume gases, rubber, lime, NaHCO_3 , Na_2CO_3 , varnishes, water, wax, wastes, and sea water were detd. on Al and Al alloys. Prevention and cleaning methods are discussed.

G. Muančić

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YUGOSLAVIA/Chemical Technology. Chemical Products H
and Their Applications. Corrosion.
Corrosion Control.

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 19763

Author : Podbreznik, Fran

Inst :

Title : Atmospheric Corrosion of Various Materials.

Orig Pub : Zast. mater., 1958, 6, No 3, 107-111

Abstract : One of the basic causes of corrosion (C)
is increased relative humidity (RH) and
contamination of the atmospheric air.
Metals begin to corrode at a RH of 50 per-
cent; the rate of corrosion increases
sharply at a RH of more than 90 percent.
The presence of CO₂ and SO₂ increases the

Card : 1/2

H-5

YUGOSLAVIA/Chemical Technology. Chemical Products H
and Their Applications. Corrosion.
Corrosion Control.

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 19793

Author : Krosar, L., Jagrovic O., Podbreznik, F.
Inst : -

Title : Protection of Galvanized Iron Roofs.

Orig Pub : Zast. mater., 1958, 6, No 3, 129-133

Abstract : For corrosion control of galvanized iron
roofs (GR) in the presence of marine and
industrial atmospheric conditions, an
additional one- and, more often, two-
layered coating is necessary. As a primer
Pb₃O₄ can be used, as well as paints which
contain zinc chromate or Zn dust. For the

Card : 1/3

H-10

PODBREZNIK, F., ing.

Problems of the storage and preservation of the equipment for new electric power plants. Elektroprivreda 14 no.7/8:364-369 J1-Ag '61.

1. Naucni savetnik Zavoda za zastitu materijala, Beograd.

PODBREZNIK, Fran, dr., ing. (Beograd, Dure Danicica 5)

Protection of technical materials against corrosion as a safety problem. Tehnika Jug 17 no.2:390-393 F '62.

1. Naucno-tehn. savetnik preduzeća "Antioksid", Beograd.

(Corrosion and anti-corrosives)

PODBREZNIK, Fran, dr., ing. (Beograd)

Examination of the possibility of the protection of steel towers in our overhead transmission lines against atmospheric influences.

Elektr vest 28 no.11/12:253-256, 273 '60.

1. Upravnik Zavoda za zascito materialov, Beograd, Dure Danicica 5.

(Electric lines---Overhead)

S/081/62/000/005/049/112
B156/B108

AUTHOR: Podbrežnik, Fran

TITLE: Necessity for research into the effects of seaside atmosphere
on the corrosion of engineering materials

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 364, abstract
5I221 (Brodogradnja, v. 12, no. 1, 1961, 29 - 33)

TEXT: The climatic conditions in Yugoslavia and their effects on the
corrosion of engineering materials are examined. 7 references.
[Abstracter's note: Complete translation.]



Card 1/1

S/081/62/000/005/047/112
B151/B101

AUTHOR: Podbreznik, Fran

TITLE: Corrosion resistance in ship construction. A review of the work presented at the international conference on anti-corrosive protection of ships and harbor installations 22-25 June 1960 in Hamburg

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 361, abstract 5I204 (Brodogradnja, v. 12, no. 3, 1961, 85-90)

TEXT: At the Conference the following questions were discussed. Corrosion of ships and ship mechanisms; anticorrosive protection of tankers using Shell corrosion decelerators; mechanical and chemical means of moving scale; anticorrosive protection of ship hulls in the sea; corrosion of harbor installations and water cisterns; stability of perlite iron in sea water to corrosion and the use of such iron in ship construction(light-houses). [Abstracter's note: Complete translation.]

Card 1/1

YUGOSLAVIA/Chemical Technology. Chemical Products H
and Their Applications. Leather. Furs.
Gelatin. Tanning Materials. Industrial
Proteins.

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 21969

Author : Podbreznik, Fran

Inst :

Title : Protection of Leather and Leather Articles.

Orig Pub : Zast. mater., 1958, 6, No 4, Tekstil, koza,
guma i plastione mase, 1, No 2, IV-15-IV-19

Abstract : Several physico-mechanical properties of leather (porosity, relative length, resistance to breaking, brittleness, elasticity, heat conductivity, resistance to wear, etc.) are examined, as are their changes under the in-

Card : 1/2

14 - 180

YUGO

3

Electrolytic cathodic descaling of steel samples. Fran
Fedbrežnik, Olga Pavlović, and Miroslav Mitrović. ~~Zbornik~~
~~1954-11(1954)~~.—Three solns. were investigated
for their usefulness as electrolytic descaling bath for steel.
One was: H_2SO_4 6%, 2-naphthol 1 g./l., 75°, c.d. 5 amp./
sq. dm., 3-5 min., with Pb anode, d.v. This soln. worked
well, but lowering of the temp. or of the c.d. (below 40
amp./sq. dm.) led to insufficient descaling. In 5 min. 8-23
mg. of metal or 327-631 mg. metal + scale (oxide) was re-
moved per sq. dm. The 2nd was a soln. of NH_4 citrate.
A 10% soln. was used at various temps., c.d.s., and voltages.
It proved to be superior to the other solns. if applied at
55-70° for 1-10 min. at a c.d. of 1.1-10 amp./sq. dm.
It also gave a small loss of metal, about 10 mg./sq. dm.
in 5 min., which compared favorably with the losses ob-
tained by descaling with emery polishing (5 mg./sq. dm.)
or chem. pickling (5 mg./sq. dm.). The 3rd was an 8%
 NaOH soln. With a c.d. of 3 amp./sq. dm. in 5 min. 2
mg./sq. dm. of metal was lost, together with 8.5 mg. oxide.
These values did not change much if the c.d. was raised to
7.5 amp./sq. dm. Thus the samples did not get a suf-
ficient descaling under those conditions. W. J.

PODBREZNIK, F.

COUNTRY : YUGOSLAVIA H
 CATEGORY : Chemical Technology. Chemical Products and Their Applications. Food Industry.
 ABS. JOUR. : RZhKhim., No 17, 1959, No. 62685
 AUTHOR : Podbreznik, F.
 INSTITUTE : -
 TITLE : Properties of Plastics Considered the Stand-point of Prospectives of Their Application in the*
 ORIG. PUB. : Tehnika, 1958, 13, No 10, Prehran. ind., 12, No 10, 152-156
 ABSTRACT : Review of the physico-mechanical and corrosion-resistive properties of the basic types of modern plastics, employed in the food industry and consideration of the prospectives of their growth and application. The bibliography of 16 titles.
 -- L. Pesin.

*Food Industry.

Card: 1/1

PODBURTNYY, K.

Subject : USSR/Miscellaneous AID P - 3140
Card 1/1 Pub. 135 - 2/20
Author : Podburtnyy, K., Maj.
Title : Low altitude air combat
Periodical : Vest. vozd. flota, 10, 9-14, 0 1955
Abstract : The author is concerned primarily with the low altitude combat of jet aircraft and its special features. He discusses search, detection, and recognition of enemy aircraft, and considers the local background, comparative brightness, and relative position of aircraft. He summarizes the conditions of interception of bombers and describes various phases of combat.
Institution : None
Submitted : No date

COUNTRY : YUGOSLAVIA
CATEGORY : Chemical Technology. Chemical Products and Their Applications. Food Industry. H
ABS. JOUR. : RZhKhim., No 17, 1959, No. 62685
AUTHOR : Podbreznik, F.
INSTITUTE : -
TITLE : Properties of Plastics Considered from the Standpoint of Prospectives of Their Application in the*
ORIG. PUB. : Tehnika, 1958, 13, No 10, Prehran. ind., 12, No 10, 152-156
ABSTRACT : Review of the physico-mechanical and corrosion-resistive properties of the basic types of modern plastics, employed in the food industry and consideration of the prospectives of their growth and application. The bibliography of 16 titles.
-- L. Pesin.

*Food Industry.

Card:

1/1

REPORT : U.S.S.R.
: Chemical Technology Chemical Products and Their
ABS. JOUR. : Applications. Food Industry.
: RZhKhim., No 17, 1959, No. 62522
AUTHOR : Podbreznik, P.
INSTITUTE :
TITLE : Storage of Grain in Storage Warehouses
ORIG. PUB. : Zast. mater., 1958, 6, No 11, 472-473
ABSTRACT : No abstract.

Card:

1/1

H - 116

PODCHAIKOVA, V.N.

RT-775 [Viscosity and electrical conductivity in the KCl-LiCl system of fused salts]
Vnutrennee trenie i elektroprovodnost' v sisteme rasplavlennykh solei KCl-LiCl.
Zhurnal Obshchei Khimii, 5(11): 1517-1526, 1935.

13957* Determination of Copper in Cast Irons and Steels by a Less Laborious Method. (In Russian.) V. N. Podchamova.																									
Zhurnal Analiticheskoi Khimii. (Journal of Analytical Chemistry), v. 6, May-June 1951, p. 191-194.																									
Explains above method, which is as exact as, and quicker than, other existing chemical processes, requiring only 10-15 min.																									
ASAC SLA METALLURGICAL LITERATURE CLASSIFICATION																									
13957* 13957*																									

LA

7

Determinations of copper in cast iron and steel without using filings. A. N. Polyakova (Ural Polytech. Inst., Sverdlovsk). *Zhur. Anal. Khim.* 6, 191-4 (1951). The surface is thoroughly cleaned, then a few drops of HNO_3 + HCl is placed on the clean spot, the resulting soln. is transferred with a pipet into a porcelain dish, Fe^{++} is oxidized with H_2O_2 and H_2SO_4 , the soln. is heated to fumes, filtered if necessary, any Fe in soln. is pptd. with $\text{Na}_2\text{P}_2\text{O}_7$, and after adding $\text{K}_3\text{Fe}(\text{CN})_6$, H_2SO_4 , and NH_4Cl , the Cu is detd. colorimetrically by comparing with a similar soln. obtained from a sample of known compn. More than 1% of Ni interferes. M. Hosh

11

11

THE FRACTIONAL DETECTION OF COPPER IONS. N. A. TANANAEV AND V. N. PODCHAI
INOVA (ZAVOD. LAB., 1940, 9, (2), 168-169) (In Russian) ~~A new method has~~
~~been worked out for the polarographic~~ Pds can be used for the fractional
detection of Cu down to 10 mg. / litre in the presence of Bi, Ag, and Hg,
and down to 0.5 mg./litre in their absence. --N.A.

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

7

Detection of copper ion. N. A. Tananaev and V. N. Podchalnova. Zaredskaya Lab. 9, 168-9(1940).—In the presence of the ions of Bi, Ag and Hg it is possible to detect as little as 10 mg. Cu per l. with the aid of CdS. In the absence of these ions it is possible to detect as little as 0.5 mg. of Cu per l. B. Z. Kamich

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

ROOM SYMBOLISM

SERIES NO. 1

ISSUED DATE

REVISION

REVISION DATE

YAREMA, V.D., inzh.; PODCHASOV, A.N., inzh.

Automatic equipment complexes on surfaces of mines under construction.
Shakht. stroi. 8 no.10:24-25 0 '64. (MIRA 17:12)

1. Kombinat po stroitel'stvu shakhtnykh sooruzheniy Karagandinskogo
ugol'nogo basseyna.

S/653/61/000/000/021/051
I042/I242

AUTHOR: Podchasov, P.G.

TITLE: Measurement of hardness of plastics

SOURCE: Plastmassy v machinostroyenii i priborostroyenii.
Pervaya resp. nauch.-tekhn. konfer. po vopr. prim.
Plastmass v machinostr. i priborostr., Kiev, 1959.
Kiev, Gostekhnizdat, 1961, 252-259

TEXT: Hardness is generally expressed as a ratio between the force applied to a stylus which is forced into the sample and the size of the resulting impression. Mirkin and Novak and Gogoberidze have shown that elastic deformation, which disappears with the removal of the load, plays a major role in the measured value. An instrument which takes this into account was developed at the Institute for Structural Mechanics of the Academy of Sciences UkrSSR. A diagram and detailed description of the apparatus are given. The load is in-

Card 1/2

S/653/62/000/000/021/051
I042/I242

Measurement of hardness of plastics

creased uniformly up to the desired value (maximum - 2.5 kg), then released at the same rate. The applied force and the dimension of the resulting impression are recorded automatically as a stress-strain diagram. Inspection of the latter yields the values of the plastic and elastic components. The elastic component in plastics is several times larger than the plastic component. Measurements of the hardness of a number of plastic and elastic materials agreed within 8% or better. In the past the discrepancy between results exceeded 40% because of the difficulty of measuring accurately the size of the impression. Specific work can be measured directly on the diagram with the aid of a planimeter since the shape of the stylus is known. Results agreed within 3-4%. The wide range of load allows the measurement of hardness of thin coats. There are 5 figures.

Card 2/2

PODCHASOV, V.

Council of innovators at a collective farm. Izobr. i rats.
no.11:10 '63. (MIRA 16:12)

1. Sekretar' Voronezhskogo sel'skogo oblastnogo soveta
Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov.

PODCHASOV, V.; LIVERKO, V., mashinist elektrovoza; SAVENKO, M.

Initiators of club activities. Sov.shakht. 11 no.1:37-38 Ja
'62. (MIRA 14:12)

1. Otvetstvennyy sekretar' mnogotirazhnoy gazety shakhtv No.18, g. Novyy Donbass (for Podchasov). 2. Shakhta imeni Oktyabr'skoy revol'yutsii, g. Shakhty (for Liverko). 3. Snezhnyanskiy rayonnyy komitet profsoyuza rabochikh ugol'noy promyshlennosti (for Savenko).
(Workingmen's clubs)

PODCHAYNOV, S.F.

Expansion of nonferrous metallurgy in Siberia during 1959-1965.
TSvet.met. 32 no.2:1-3 F '59. (MIRA 12:2)
(Siberia--Nonferrous metals--Metallurgy)

SOV/136-59-2-1/24

AUTHOR: Podchaynov, S.F.

TITLE: Development of Non-Ferrous Metallurgy in Siberia in 1959-1965 (Razvitiye tsvetnoy metallurgii Sibiri v 1959-1965 gg)

PERIODICAL: Tsvetnyye Metally, 1959, Nr 2, pp 1-3 (USSR)

ABSTRACT: Since the Twentieth Meeting of the KPSS (CPSU) increasing development of resources in the Eastern parts of the USSR has taken place. In the next seven years the share of these regions in total refined-copper and aluminium productions is to rise to 88 and 71% respectively. The author outlines the planned developments for Siberia, which is especially rich in natural resources. Hydro and thermal electricity generation are to be combined to give power at not over 3 to 3.5 kopecks per KWH. This and open-cast mined deposits will be the basis for the aluminium industry. The large-scale production of alumina and other useful materials from nephelines and the electrothermic production of aluminium are to be developed and tested by Siberian scientists and production personnel.

Card 1/3

29 new enterprises for other non-ferrous metal

SOV/136-59-2-1/24

Development of Non-Ferrous Metallurgy in Siberia in 1959-1965

production are to be largely completed in the seven-year period. In these years Siberia will take 44% of the total capital investment in the RSFSR. A considerable part of the resources will go to the reconstruction and expansion of existing enterprises e.g. the Noril'skiy gorno-metallurgicheskiy kombinat (Noril'sk Mining-Metallurgical Combine). In 1961 the "Lenzoloto" Combine will receive cheap electricity enabling the Lena gold fields to be worked more efficiently. The author points out that automation and mechanization are of special importance in Siberia because of the manpower situation and notes that by 1965 measures in this direction should have raised labour productivity (e.g. at Noril'sk by at least 60%). Advantageous integration of alumina and cement production and of aluminium and rolled-products production is envisaged. Siberian industry is to play a major part in supplying the plant and other requirements for the planned developments there; these

Card 2/3

SOV/136-59-2-1/24

- Development of Non-Ferrous Metallurgy in Siberia in 1959-1965
developments should make Siberia one of the most
important non-ferrous metals producing areas of the
USSR.

Card 3/3

BAKATIN, V.P.; BUBOK, K.G.; BUGAREV, L.A.; BUNIN, A.I.; VOROB'YEV, K.V.
DROZDOV, V.V.; DOROKHOV, M.S.; ZUBRILOV, S.V.; IGNAT'YEV, L.A.
KARGOPOLOV, I.G.; KLUSHIN, D.H.; KOMAROV, A.M.; KURILOV, M.S.;
LOMAKO, P.P.; MIKULENKO, A.S.; MIKHAYLOV, M.M.; NEMTINOV, B.A.;
OL'KHOV, N.P.; OSIPOVA, T.V.; PAKHOMOV, Ya.D.; PIKSIK, I.N.;
RODCHAYKOV, S.F.; PUSTYL'NIK, I.I.; ROZHKOV, I.S.; SAVARI, Ye.A.;
SEMYNIN, A.P.; SPIVAKOV, Ya.N.; STRIGIN, I.A.; SUSHENTSOV, S.N.;
SYCHEV, P.S.; TROITSKIY, A.V.; USHAKOV, K.I.; KHARLAMOV, A.Ye.;
SHEMYAKIN, N.I.

Nikolai Konstantinovich Chaplygin. TSvet. met. 28 no.2:57-58
Mr-Ap '55. (MIRA 10:10)
(Chaplygin, Nikolai Konstantinovich, 1911-1955)

PODCHAYNOV, S.F.

We should hasten the development of the nonferrous metallurgy of raw material resources. Gor.zhur. no.2:3-6 F'55. (MLRA 8:7)

1. Zamestitel' Ministra tsvetnoy metallurgii SSSR.
(Nonferrous metals) (Mines and Mineral resources)

5(3), 5(2)

SOV/153-2-3-2/29

AUTHORS: Podchaynova, V. N., Loseva, G. G.

TITLE: On the Use of Para-anisidine in Chemical Analysis.
Investigation of the Reaction of the Copper Ion With Para-anisidine and the Colorimetric Determination of Copper in Nickel and Zinc Alloys and in Colored Glasses

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1959, Vol 2, Nr 3, pp 316-321 (USSR)

ABSTRACT: The bivalent copper ion forms a difficultly soluble yellow-green compound with para-anisidine; in the presence of thiocyanate the color changes into red-violet due to the reduction of copper and the oxidation of para-anisidine. The authors attempted to use this complex for the copper determination. They used the photolorimeter of the type FEK-M and a Pulfrich photometer. The optical density of the copper para-anisidine complex changes in the course of time, the copper thiocyanate para-anisidine-complex attains constant optical density after 20 minutes (Fig 1); the optimum conditions are between 2 and 5 mol KCNS per liter and between pH 4 and 5.5 (Figs 2 and 3).
The limit concentration which can still be detected is

Card 1/2

On the Use of Para-anisidine in Chemical Analysis. SOW/153-2-3-2/29
Investigation of the Reaction of the Copper Ion With Para-anisidine and
the Colorimetric Determination of Copper in Nickel and Zinc Alloys and
in Colored Glasses

$6.0 \cdot 10^{-7}$ g Cu per ml. Colorimetric determinations are possible
in the range of from $5 \cdot 10^{-6}$ to $3 \cdot 10^{-3}$. The mean molar extinction
coefficient was computed to be 1703. As may be seen from figure
4 the coloring in the range of $5 \cdot 10^{-6}$ and $3 \cdot 10^{-4}$ mol/l agrees
satisfactorily with the Lambert-Buger-Beer law. Methods of
determining copper in nickel and zinc alloys and in colored
glasses are being developed. There are 4 figures, 3 tables,
and 6 Soviet references.

ASSOCIATION: Ural'skiy politekhnicheskii institut imeni S. M. Kirova -
Kafedra analiticheskoy khimii (Urals Polytechnic Institute
imeni S. M. Kirov-Chair of Analytical Chemistry)

SUBMITTED: February 16, 1957

Card 2/2

BC

C/10
1

252. Determination of copper in cast brass and steel by the method of ammonia gas, of the reaction $V. M. Kucharskaya$ (1), *Anal. Chem.*, **1954**, **28**, 184—186. The well-stirred and clean surface of the sample of cast iron or steel is treated with 2 drops of a 1:1 mixture of conc. HNO_3 and conc. HCl and the solution, after bubbling has ceased, is transferred by means of a capillary pipette to a test-tube or porcelain dish. The surface of the sample is washed 2 or 3 times with 2N H_2SO_4 , 0.5–0.6 ml. in all, and then with 3 or 4 drops of water. The solution and washings are mixed with 1 or 2 drops of 3% H_2O_2 and 3–7 drops of 2N H_2SO_4 , evaporated to fuming (1–2 min.), and diluted with 2–3 ml. of water. The solution, filtered if necessary, is diluted to 5–6 ml. in a 10-ml. graduated cylinder, mixed with 0.5 g. of finely-powdered Na pyrophosphate to complete decolorization, followed by 1 drop of 10% $K_2Fe(CN)_6$ solution, and is then mixed with 3–4 drops of 2N H_2SO_4 and 0.2–0.3 g. of NH_4Cl . The colour is compared with that of a standard by the dilution method. With Cu contents of 0.4–4%, the error is 0.01–0.02%, and the total time 10–15 min. G. S. SMITH.

558-564 METALLURGICAL LITERATURE CLASSIFICATION

558-564 METALLURGICAL LITERATURE CLASSIFICATION

558-564 METALLURGICAL LITERATURE CLASSIFICATION

PODCHAYNOVA, V.N.; IVANTSOVA, M.K.

Polarographic curve of a copper thiosemicarbazide complex in sulfuric and acid solutions [with summary in English]. Zhur. anal. khim. 13 no.3:284-288 My-Je '58. (MIRA 12:3)

I.S.M. Kirov Ural Polytechnical Institute.
(Copper compounds) (Semicarbazide)
(Sulfuric acid)

PODCHAYNOVA, V. N.

Copper - Analysis

Determination of cuprous and cupric oxides and metallic copper in copper powders.
Zhur. anal. khim. 7, No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December, 1952, ~~1953~~ Unclassified.

PODCHAYNOVA, V.N.

2
Detection and determination of small quantities of copper
in precious metals

1. Introduction

2. Methods

Small quantities of copper in precious metals can be detected by the color of the solution obtained by dissolving the metal in concentrated nitric acid. The results of these Cu detns. were the same as obtained iodometrically. The detectable min. of Cu in precious metals by these methods was 5×10^{-3} mg./ml. M. Hoseh

AM
Hoseh

PODCHAYNOVA, V.N.

✓ The valency of copper in some complex compounds
 V. N. Podchaynova, E. I. Rylov, and D. I. Ryabchikov
Zhur. Neorg. Khim. 1, 495-50 (1956). The valency of Cu
 in some of its complex comds. was detd. by measuring
 magnetic susceptibilities. Cu is univalent in Cu dithio-
 zonate, obtained in the presence of hydrazine, and in Cu p-anis-
 diuate. Cu is bivalent in cupric dithizonate, Cu p-anis-
 diuate sulfate, Cu thiosemicarbazide sulfate, Cu hydrazide
 isonicotinate, and Cu diethyldithiocarbamate. Structural
 formulas are proposed for cuprous dithizonate. A. O.

Ural Polytech. Inst. in S.M. Kirov

LOMONOSOV, S.A.; RYBAKOVA, Yu.A.; PODCHAYNOVA, V.N.; BEDNYAGINA, N.P.

Extraction separation of thallium using 1,5-dibenzimidazolylformazans.
Zhur.anal.khim. 19 no.9:1062-1066 '64. (MIRA 17:10)

1. Ural'skiy politekhnicheskii institut imeni Kirova, Sverdlovsk.

POECHAYNOVA, V.N.; CHECHNEVA, A.N.; KRYLOV, Ye.I.

Compounds of platinum with phenyl substituted thiosemicarbazides. Zhur. neorg. khim. 10 no.2:535-537 F '65.

(MIRA 18:11)

1. Ural'skiy politekhnicheskii institut. Submitted May 5, 1964.

LOMONOSOV, S.A.; PODCHAYNOVA, V.N.; RYBINA, V.Ye.

Determination of thallium and antimony in cadmium oxide.

Zsv.lab. 31 no.4:20 '65.

(MIRA 18:12)

1. Ural'skiy politekhnicheskij institut.

PODCHAYNOVA, V.N.; DOLGOREV, A.V.; DERGACHEV, V. Ya.

Use of antipyrine derivatives in analytical chemistry. Report
No. 2: Photometric determination of vanadium by means of dianti-
pyrylvinylbenzenemethane and diantipyryl-3,4-dimethoxyphenyl-
methane. Zhur. anal. khim. 21 no.1:53-58 '66 (MIRA 19:1)

1. Ural'skiy politekhnicheskiy institut imeni Kirova, Sverdlovsk.